

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-6. (Canceled)

7. (Currently Amended) A vertical axis windmill comprising:
a support frame;
a vertical main shaft rotatably mounted to the support frame;
a support arm having a first end and a second end, the first end of the support arm being mounted to the vertical main shaft; and
a vertically elongated blade mounted to the second end of the support arm, the vertically elongated blade having an upper tilted end and a lower tilted end, each of the tilted ends gradually tapering in a vertical direction along the vertical main shaft and inclining inwardly towards the vertical main shaft at an angle of 30-45 degrees with respect to a vertical axis of the vertical main shaft,
wherein a chord length of the vertically elongated blade is 45-55 % of a radius of revolution of the blade.

8-13. (Canceled)